

PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

25-Jun-2010

Company: 111406

Sales Order #: C002687
CCC Panel #: P67634
Date In: 03-Jun-2010
Date Out: 17-Jun-2010
Days In Service: 14

Room Area ID:
Reference #:

DO NOT TOUCH METAL COUPON

Corrosion Classification Coupon

Company	111406		
Address			
Room/Area I.D.			
Date In	6/3/10	Time In:	a.m. 2:35 p.m.
Date Out	6/17/10	Time Out:	a.m. 2:45 p.m.
Coupon #	67634	Tracking #	02687
Serial #			

☐ Industrial ☐ ERM ☐ Preservation ☐ CIF

PURAFIL
First...in clean air

2654 Weaver Way • Doraville, Georgia 30340
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CCC Panel # P67634

ISA Class G2
Moderate

Copper Corrosion
859 Å/30 Days

Silver Corrosion
1203 Å/30 Days

(see next page for complete analysis)

Summary for PURAFIL CCC # P67634

The electrolytic reduction analysis on Corrosion Classification Coupon #P67634 shows the presence of moderate concentrations of contaminants in the environment tested. The hydrogen sulfide level is expected to range between 3 and 10 ppb and the sulfur dioxide level between 10 and 100 ppb. The effects of corrosion are measurable and may be a factor in determining equipment reliability.

Your local representative for additional information and assistance is:
Environmental Health and Eng
117 Fourth Avenue, Needham MA 02494, USA
tminegishi@eheinc.com

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Email: purafil@purafil.com / Internet: http://www.purafil.com

Displaying Page 1 [Display Page 2](#)

PURAFIL CCC # P67634 Analysis Results

Corrosion Film Composition				Gold Coupon - Magnified 20x
Projections				
	30 Days	1 Year	5 Year	
Copper Films				
Cu ₂ S	690 Å	2407 Å	5381 Å	
Cu ₂ O	169 Å	591 Å	1321 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	859 Å	2998 Å	6702 Å	
Silver Films				
AgCl	0 Å	0 Å	0 Å	
Ag ₂ S	1203 Å	14641 Å	73207 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	1203 Å	14641 Å	73207 Å	
Gold Pore Corrosion:				
Note: 1000 Å = 0.1 micron				

Equipment Reliability Correlation
(ISA Standard S71.04-1985 for Copper)